RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/559, 752
Source:	IFWP,
Date Processed by STIC:	08/08/2006

ENTERED



IFWP

RAW SEQUENCE LISTING DATE: 08/08/2006
PATENT APPLICATION: US/10/559,752 TIME: 09:30:06

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3 <110> APPLICANT: UNIVERSITY OF WASHINGTON
     4 LIEBER, Andre
             SHAYAKHMETOV, Dmitry M.
      7 <120> TITLE OF INVENTION: CAPSID-MODIFIED ADENOVIRUS VECTORS AND METHODS OF USING THE
SAME
      9 <130> FILE REFERENCE: 16336-27PC
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/559,752
C--> 12 <141> CURRENT FILING DATE: 2005-12-06
     14 <150> PRIOR APPLICATION NUMBER: US 60/466,858
     15 <151> PRIOR FILING DATE: 2003-05-01
     17 <160> NUMBER OF SEQ ID NOS: 8
     19 <170> SOFTWARE: PatentIn version 3.1
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     22 <211> LENGTH: 185
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     36 Gly Ser Gln Ile Leu Ala Thr Val Ser Val Leu Ala Val Lys Gly Ser
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     40 Leu Ala Pro Ile Ser Gly Thr Val Gln Ser Ala His Leu Ile Ile Arg
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     44 Phe Asp Glu Asn Gly Val Leu Leu Asn Asn Ser Phe Leu Asp Pro Glu
     48 Tyr Trp Asn Phe Arg Asn Gly Asp Leu Thr Glu Gly Thr Ala Tyr Thr
     52 Asn Ala Val Gly Phe Met Pro Asn Leu Ser Ala Tyr Pro Lys Ser His
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                                        105
    56 Gly Lys Thr Ala Lys Ser Asn Ile Val Ser Gln Val Tyr Leu Asn Gly
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     60 Asp Lys Thr Lys Pro Val Thr Leu Thr Ile Thr Leu Asn Gly Thr Gln
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                                                    140
    64 Glu Thr Gly Asp Thr Thr Pro Ser Ala Tyr Ser Met Ser Phe Ser Trp
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Input Set : A:\16336-27PC.ST25.txt
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174 Gly Ile Thr Ser Leu Asn Gly Tyr Ser Leu Thr Phe Met Trp Ser Gly 175 145 150 155 178 Leu Ser Asn Tyr Ile Asn Gln Pro Phe Ser Thr Pro Ser Cys Ser Phe 165 170 182 Ser Tyr Ile Thr Gln Glu 183 180 186 <210> SEQ ID NO: 4 187 <211> LENGTH: 182 188 <212> TYPE: PRT 189 <213> ORGANISM: adenovirus 191 <400> SEQUENCE: 4 193 Asp Pro Leu Thr Leu Trp Thr Thr Pro Asp Pro Pro Pro Asn Cys Thr 10 5 197 Leu Arg Gln Glu Leu Asp Ala Lys Leu Thr Leu Cys Leu Thr Lys Asn 201 Glu Ser Ile Val Asn Gly Ile Val Ser Leu Ile Gly Val Lys Gly Asp 40 205 Leu Leu His Ile Gln Pro Thr Thr Thr Val Gly Leu His Leu Val 55 209 Phe Asp Arg Gln Gly Arg Leu Val Thr Thr Thr Pro Thr Ala Leu Val 70 75 213 Pro Gln Ala Ser Trp Gly Tyr Lys Gln Gly Gln Ser Val Ser Ser Ser 217 Ala Val Ala Asn Ala Leu Gly Phe Met Pro Asn Val Ser Ala Tyr Pro 105 221 Arg Pro Asn Ala Gly Glu Ala Lys Ser Gln Met Leu Ser Gln Thr Tyr 115 120 225 Leu Gln Gly Asp Thr Thr Lys Pro Ile Thr Met Lys Val Val Phe Asn 135 229 Gly Asn Ala Thr Val Asp Gly Tyr Ser Leu Thr Phe Met Trp Thr Gly 150 155 233 Val Ser Asn Tyr Leu Asn Gln Gln Phe Ser Thr Pro Ser Cys Ser Phe 165 170 237 Ser Tyr Ile Ala Gln Glu 238 180 241 <210> SEQ ID NO: 5 242 <211> LENGTH: 185 243 <212> TYPE: PRT 244 <213> ORGANISM: adenovirus 246 <400> SEQUENCE: 5 248 Asp Lys Arg Thr Leu Trp Thr Thr Pro Asp Thr Ser Pro Asn Cys Lys 10 252 Ile Asp Gln Asp Lys Asp Ser Lys Leu Thr Leu Val Leu Thr Lys Cys 25 256 Gly Ser Gln Ile Leu Ala Asn Val Ser Leu Ile Val Val Asp Gly Lys 40 260 Tyr Lys Ile Ile Asn Asn Asn Thr Gln Pro Ala Leu Lys Gly Phe Thr 264 Ile Lys Leu Phe Asp Glu Asn Gly Val Leu Met Glu Ser Ser Asn

Input Set : A:\16336-27PC.ST25.txt
Output Set: N:\CRF4\08082006\J559752.raw

268 Leu Gly Lys Ser Tyr Trp Asn Phe Arg Asn Glu Asn Ser Ile Met Ser 90 272 Thr Ala Tyr Glu Lys Ala Ile Gly Phe Met Pro Asn Leu Val Ala Tyr 100 105 276 Pro Lys Pro Thr Ala Gly Ser Lys Lys Tyr Ala Arg Asp Ile Val Tyr 115 120 280 Gly Asn Ile Tyr Leu Gly Gly Lys Pro Asp Gln Pro Val Thr Ile Lys 135 130 284 Thr Thr Phe Asn Gln Glu Thr Gly Cys Glu Tyr Ser Ile Thr Phe Asp 150 155 288 Phe Ser Trp Ala Lys Thr Tyr Val Asn Val Glu Phe Glu Thr Thr Ser 170 165 292 Phe Thr Phe Ser Tyr Ile Ala Glu Gln 180 296 <210> SEQ ID NO: 6 297 <211> LENGTH: 194 298 <212> TYPE: PRT 299 <213> ORGANISM: adenovirus 301 <400> SEQUENCE: 6 303 Ser Ile Asn Thr Leu Trp Thr Gly Ile Asn Pro Pro Pro Asn Cys Gln 307 Ile Val Glu Asn Thr Asn Thr Asn Asp Gly Lys Leu Thr Leu Val Leu 311 Val Lys Asn Gly Gly Leu Val Asn Gly Tyr Val Ser Leu Val Gly Val 315 Ser Asp Thr Val Asn Gln Met Phe Thr Gln Lys Thr Ala Asn Ile Gln 55 319 Leu Arg Leu Tyr Phe Asp Ser Ser Gly Asn Leu Leu Thr Glu Glu Ser 323 Asp Leu Lys Ile Pro Leu Lys Asn Lys Ser Ser Thr Ala Thr Ser Glu 85 90 327 Thr Val Ala Ser Ser Lys Ala Phe Met Pro Ser Thr Thr Ala Tyr Pro 100 105 331 Phe Asn Thr Thr Thr Arg Asp Ser Glu Asn Tyr Ile His Gly Ile Cys 120 115 335 Tyr Tyr Met Thr Ser Tyr Asp Arg Ser Leu Phe Pro Leu Asn Ile Ser 135 339 Ile Met Leu Asn Ser Arg Met Ile Ser Ser Asn Val Ala Tyr Ala Ile 150 343 Gln Phe Glu Trp Asn Leu Asn Ala Ser Glu Ser Pro Glu Ser Asn Ile 165 170 347 Ala Thr Leu Thr Thr Ser Pro Phe Phe Phe Ser Tyr Ile Thr Glu Asp 348 180 185 351 Asp Asn 355 <210> SEQ ID NO: 7 356 <211> LENGTH: 196 357 <212> TYPE: PRT 358 <213> ORGANISM: adenovirus

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VERIFICATION SUMMARYDATE: 08/08/2006PATENT APPLICATION: US/10/559,752TIME: 09:30:07

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date